Welcome to Kindergarten

Entering Kindergarten is an exciting time for children. Parents and teachers work together to make the transition from home to school as smooth as possible.

Learning in Kindergarten

The curriculum, or *Kindergarten Program Statement*, is developed by Alberta Education in consultation with early childhood educators. It describes what young children need to learn to prepare for entry into Grade 1, and provides a foundation for later grades. Children accomplish these learnings not only in the Kindergarten program, but also in their homes and communities.

Teachers use the curriculum to plan learning activities that meet the Kindergarten children's needs and abilities, and to assess their progress. The Kindergarten area is a busy and ever-changing place, with a variety of learning centres.

Children with an assessed disability/delay may receive educational programming prior to the Kindergarten year.

Information for Parents

Parents can access information about the Kindergarten program in a variety of ways:

- your child's teacher or school
- Curriculum Summary
- Curriculum Handbook
- the Kindergarten page on the Alberta Education Web site.

How Can I Help My Child?

- Be involved in the Kindergarten experience as much as you can.
- Keep in contact with your child's teacher so you are both informed about your child's progress and development.
- Talk with your child about their experiences in Kindergarten.
- Encourage your child through at-home activities, such as bedtime reading, listening to music, making decisions by offering choices, practising motor skills such as throwing and catching, drawing, cutting and doing puzzles.

Languages Other than English

- Blackfoot
- Cree
- French
- Italian
- Spanish
- Ukrainian
- Other

These languages may be available at your child's school. For more information, contact the local school board.

Where Can I Get More Information?

- The Alberta Education Web site
  http://www.education.gov.ab.ca
- Aboriginal Services Branch
  Telephone: 780–415–9300
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CURRICULUM SUMMARY

Kindergarten

2005–2006

Alberta
EDUCATION

KINDERGARTEN AT-A-GLANCE

CREATIVE EXPRESSION

- Explore self-expression through creative thought, language, movement, music and drama.
- Become aware of various forms of expression

EARLY LITERACY

- Comprehend and respond to various kinds of texts
  - connect oral language with print and pictures
  - identify rhyming words in oral language
  - draw records or tell about ideas and experiences.
- Communicate clearly
  - form some recognizable letters
  - connect letters with sounds in words
  - follow one- or two-step instructions.
- Manage ideas and information
  - ask questions to satisfy curiosity and make sense of information
  - share new learnings with others.
- Respect and support others
  - participate in class and group activities
  - find ways to be helpful to others.
- Explore thoughts, ideas, feelings and experiences
  - talk about favourite books, songs, poems, pictures
  - listen to others
  - connect related ideas and information.

PHYSICAL SKILLS AND WELL-BEING

- Develop basic locomotor, nonlocomotor and fine motor skills.
- Activity
  - Dance
  - Games
  - Types of gymnastics
  - Individual activities
  - Activities in alternative environments.
- Assume responsibility to lead an active daily life.
- Develop attitudes and behaviours that promote a healthy lifestyle, wellness and safety for self and others.

PERSONAL AND SOCIAL RESPONSIBILITY

- Show positive attitudes and behaviours toward learning.
- Contribute to group activities.
- Develop positive relationships with others.
- Accept and practise responsibility.
- Express feelings in socially acceptable ways.
- Demonstrate and practise independence.

CITIZENSHIP AND IDENTITY

- I Am Unique
  - value unique characteristics, interests, gifts and talents of self and others
  - examine what makes them unique individuals
  - explore how we demonstrate respect for ourselves and others
- Skills and Processes
  - critical and creative thinking
  - historical and geographic
  - decision making and problem solving
  - cooperation, conflict resolution
- I Belong
  - value how personal stories express what it means to belong
  - value and respect significant people in their lives
  - examine what brings people together in groups
  - examine how people create a climate of cooperation

EARLY NUMERACY

- Number Concepts and Operations
  - describe, orally, and compare quantities from 0 to 10
  - show awareness of addition and subtraction.
- Shape and Space
  - show awareness of measurement use
  - explore the properties of simple shapes and real-world objects
  - sort, classify and build real-world objects.
- Statistics and Probability
  - collect and organize, with assistance, data based on first-hand information
  - compare data, using more, less, the same.
- Patterns and Relations
  - identify and create patterns from daily experiences.

ENVIRONMENT AND COMMUNITY AWARENESS

- Become aware of materials in the environment and how they are used.
- Show curiosity and willingness to learn about the environment and community.
- Explore familiar places and things in the environment and community.

INFORMATION AND COMMUNICATION TECHNOLOGY (ICT). Students learn and apply ICT knowledge and skills while learning in content areas such as language arts, mathematics, science and social studies.

Information for Parents

Parents can access information about the curriculum and learning resources in a number of ways:

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- Curriculum Summaries
- Curriculum Handbooks
- Programs of Study on the Alberta Education Web site.

How Can I Help My Child At Home?

Show interest in school activities by:

- asking questions
- helping with homework and projects
- setting aside time and a place for your child to complete homework
- reading to and with your child.

Use Alberta Education and other resources produced for parents, such as:

- **The Parent Advantage**—*Tips and strategies for helping with homework in grades 1 through 9.*
- **Working Together in Mathematics Education**—*Ways parents can support student learning in mathematics.* http://www.education.gov.ab.ca/parents/mathprbk.pdf
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Schooling in Alberta

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Students write provincial achievement tests in grades 3, 6 and 9.

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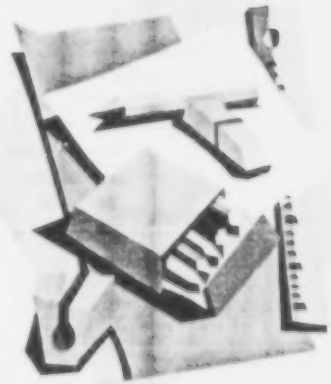
CURRICULUM SUMMARY

Grade One

2005–2006



Alberta
EDUCATION

GRADE 1 AT-A-GLANCE

HEALTH AND LIFE SKILLS

Relationship Choices
- recognize and demonstrate various ways to express feelings.

Life Learning Choices
- define a goal, and recognize that setting goals helps accomplish tasks.

Wellness Choices
- demonstrate positive hygiene and health care habits.

ENGLISH LANGUAGE ARTS

Comprehend various kinds of texts
- write and tell brief narratives about own ideas and stories
- identify high frequency words by sight
- read aloud after rehearsal.

Manage ideas and information
- connect information from various texts
- follow spoken directions for gathering ideas and information
- find and categorize information.

Communicate clearly
- print legibly, left to right, using lines on a page
- explore keyboard skills
- write simple statement showing awareness of capital letters and periods.

Respect and support others
- listen to the ideas of others
- take turns sharing ideas and information
- work in partnerships and groups.

Explore thoughts and ideas
- make observations about activities and experiences depicted in texts
- experiment with different ways of looking at stories and ideas
- read and write with others.

PHYSICAL EDUCATION

Benefits Health
- experience cardio-respiratory activities
- recognize personal abilities while participating

Activity
- develop and apply age-appropriate skills in the dimensions of:
  - Alternative Environments, Dance, Individual Activities, Types of Gymnastics

Cooperation
- identify and demonstrate respectful communication and fair play
- display willingness to play cooperatively with others

Do It Daily ... for Life!
- describe effort and show willingness to participate in various physical activities
- try a challenging movement experience based on personal abilities

SCIENCE

Creating Colour

Seasonal Changes

Needs of Animals and Plants

Building Things

Senses

SOCIAL STUDIES

My World: Home, School and Community

Moving Forward with the Past: My Family, My History and My Community

OPTIONAL SUBJECT AREAS

Languages Other than English

Drama

MATHEMATICS

Number Concepts and Operations
- recognize and work with whole numbers from 0 to 100
- explore halves
- add/subtract to 18
- read number words to 10.

Shape and Space
- estimate, measure and compare using whole numbers
- explore the properties of 2-D shapes and 3-D objects
- estimate and order objects by length, height and distance around.

Statistics and Probability
- collect, organize and describe data based on first-hand observation
- describe concepts of chance and chance events in ordinary language
- predict using never, sometimes and always.

Patterns and Relations
- identify, create and compare patterns arising from their daily experiences
- begin to recognize patterns in their environment.

ART

Depiction

Reflection

Expression

Composition

SUPPORTS FOR LEARNING

Distance Learning

Early Literacy

English as a Second Language (ESL)

Special Needs

MUSIC

Melody

Form

Harmony

Expression

Rhythm

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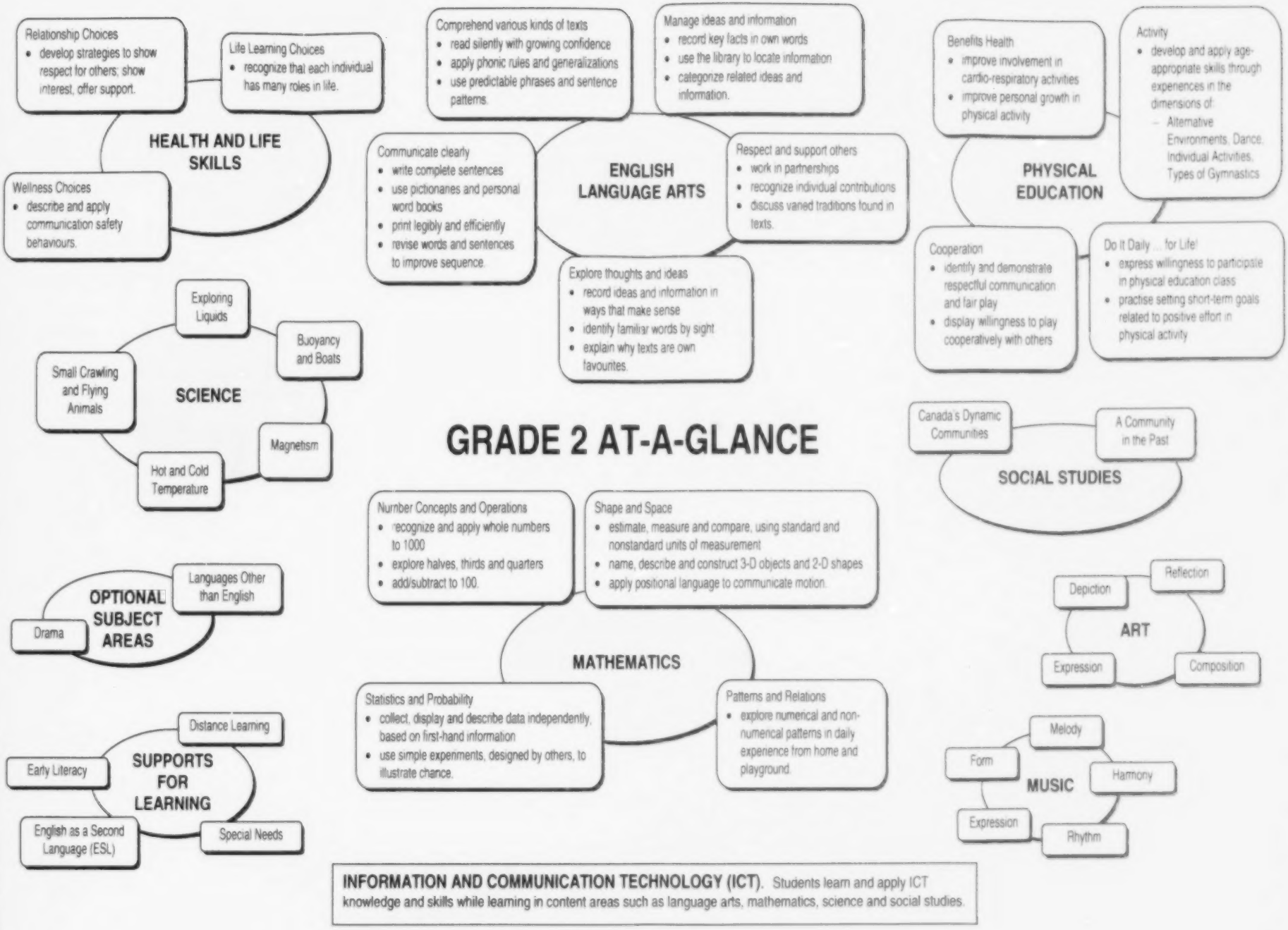
CURRICULUM SUMMARY

Grade Two

2005–2006

Alberta
EDUCATION

GRADE 2 AT-A-GLANCE


HEALTH AND LIFE SKILLS
Relationship Choices
• develop strategies to show respect for others; show interest, offer support.
Life Learning Choices
• recognize that each individual has many roles in life.
Wellness Choices
• describe and apply communication safety behaviours.
ENGLISH LANGUAGE ARTS
Comprehend various kinds of texts
• read silently with growing confidence
• apply phonic rules and generalizations
• use predictable phrases and sentence patterns.
Manage ideas and information
• record key facts in own words
• use the library to locate information
• categorize related ideas and information.
Communicate clearly
• write complete sentences
• use pictionanes and personal word books
• print legibly and efficiently
• revise words and sentences to improve sequence.
Respect and support others
• work in partnerships
• recognize individual contributions
• discuss varied traditions found in texts.
Explore thoughts and ideas
• record ideas and information in ways that make sense
• identify familiar words by sight
• explain why texts are own favourites.
PHYSICAL EDUCATION
Benefits Health
• improve involvement in cardio-respiratory activities
• improve personal growth in physical activity
Activity
• develop and apply age-appropriate skills through expenences in the dimensions of:
– Alternative Environments, Dance, Individual Activities, Types of Gymnastics
Cooperation
• identify and demonstrate respectful communication and fair play
• display willingness to play cooperatively with others
Do It Daily ... for Life!
• express willingness to participate in physical education class
• practise setting short-term goals related to positive effort in physical activity
SCIENCE
Exploring Liquids
Buoyancy and Boats
Magnetism
Hot and Cold Temperature
Small Crawling and Flying Animals
SOCIAL STUDIES
Canada's Dynamic Communities
A Community in the Past
MATHEMATICS
Number Concepts and Operations
• recognize and apply whole numbers to 1000
• explore halves, thirds and quarters
• add/subtract to 100.
Shape and Space
• estimate, measure and compare, using standard and nonstandard units of measurement
• name, describe and construct 3-D objects and 2-D shapes
• apply positional language to communicate motion.
Statistics and Probability
• collect, display and describe data independently, based on first-hand information
• use simple expenments, designed by others, to illustrate chance.
Patterns and Relations
• explore numerical and non-numerical patterns in daily experience from home and playground.
OPTIONAL SUBJECT AREAS
Languages Other than English
Drama
ART
Depiction
Reflection
Expression
Composition
SUPPORTS FOR LEARNING
Distance Learning
Early Literacy
English as a Second Language (ESL)
Special Needs
MUSIC
Melody
Form
Harmony
Expression
Rhythm

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Teachers use the curriculum to plan learning activities that meet their students' needs and abilities. They regularly assess student progress, reporting to parents, students and administrators.

Provincial Achievement Tests

As well as being assessed by their teachers, students write provincial achievement tests in grades 3, 6 and 9. Grade 3 students write tests in English language arts and mathematics. Parents can obtain information on the tests and their child's test results from their child's school.

Languages Other than English

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CURRICULUM SUMMARY

Grade Three

2005–2006

Alberta
EDUCATION

GRADE 3 AT-A-GLANCE

HEALTH AND LIFE SKILLS

Relationship Choices
- demonstrate safe and appropriate ways for sharing and/or expressing feelings.

Life Learning Choices
- develop and demonstrate test-taking skills

Wellness Choices
- identify strategies to avoid being bullied.

ENGLISH LANGUAGE ARTS

Comprehend various kinds of texts
- use grammatical knowledge to predict words and sentence structures
- read silently with confidence/accuracy
- summarize the main idea of texts.

Manage ideas and information
- identify main ideas and details in texts
- use text features to access information
- put ideas and information into short paragraphs

Communicate clearly
- begin to learn cursive writing
- edit for complete and incomplete sentences
- use keyboarding skills
- identify and use a variety of sentence types.

Respect and support others
- demonstrate respect for ideas and abilities of others
- work cooperatively in groups
- contribute ideas and information.

Explore thoughts and ideas
- explain new concepts in own words
- choose the appropriate oral or written forms to communicate
- relate own ideas/perspectives to new understandings.

PHYSICAL EDUCATION

Benefits Health
- experience movement involving the components of health-related fitness: e.g., flexibility, endurance and strength

Activity
- develop and apply age-appropriate skills through experiences in the dimensions of:
  - Alternative Environments, Dance, Individual Activities, Types of Gymnastics

Cooperation
- accept responsibility for assigned roles while participating
- demonstrate etiquette and fair play

Do It Daily ... for Life!
- describe types of physical activity available in the community
- make appropriate safe movement choices

SCIENCE

Rocks and Minerals

Animal Life Cycles

Building with a Variety of Materials

Hearing and Sound

Testing Materials and Designs

SOCIAL STUDIES

Communities in the World

Global Citizenship

MATHEMATICS

Number Concepts and Operations
- recognize and work with whole numbers 0 to 1000
- explore fifths and tenths
- apply arithmetic operations on whole numbers.

Shape and Space
- estimate, measure and compare using whole numbers and standard measurement units
- describe, classify, construct and relate 3-D objects and 2-D shapes.
- describe relative positions of objects in one dimension.

Statistics and Probability
- collect first- and second-hand data
- display data in more than one way
- interpret data to make predictions
- use simple probability experiments.

Patterns and Relations
- investigate rules for numerical and non-numerical patterns, such as those found in the home
- use the rules to make predictions.

ART

Depiction

Reflection

Expression

Composition

OPTIONAL SUBJECT AREAS

Languages Other than English

Drama

MUSIC

Melody

Form

Harmony

Expression

Rhythm

SUPPORTS FOR LEARNING

Distance Learning

English as a Second Language (ESL)

Special Needs

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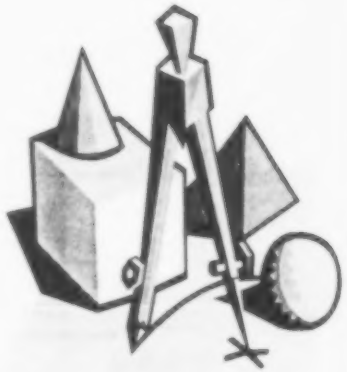
CURRICULUM SUMMARY

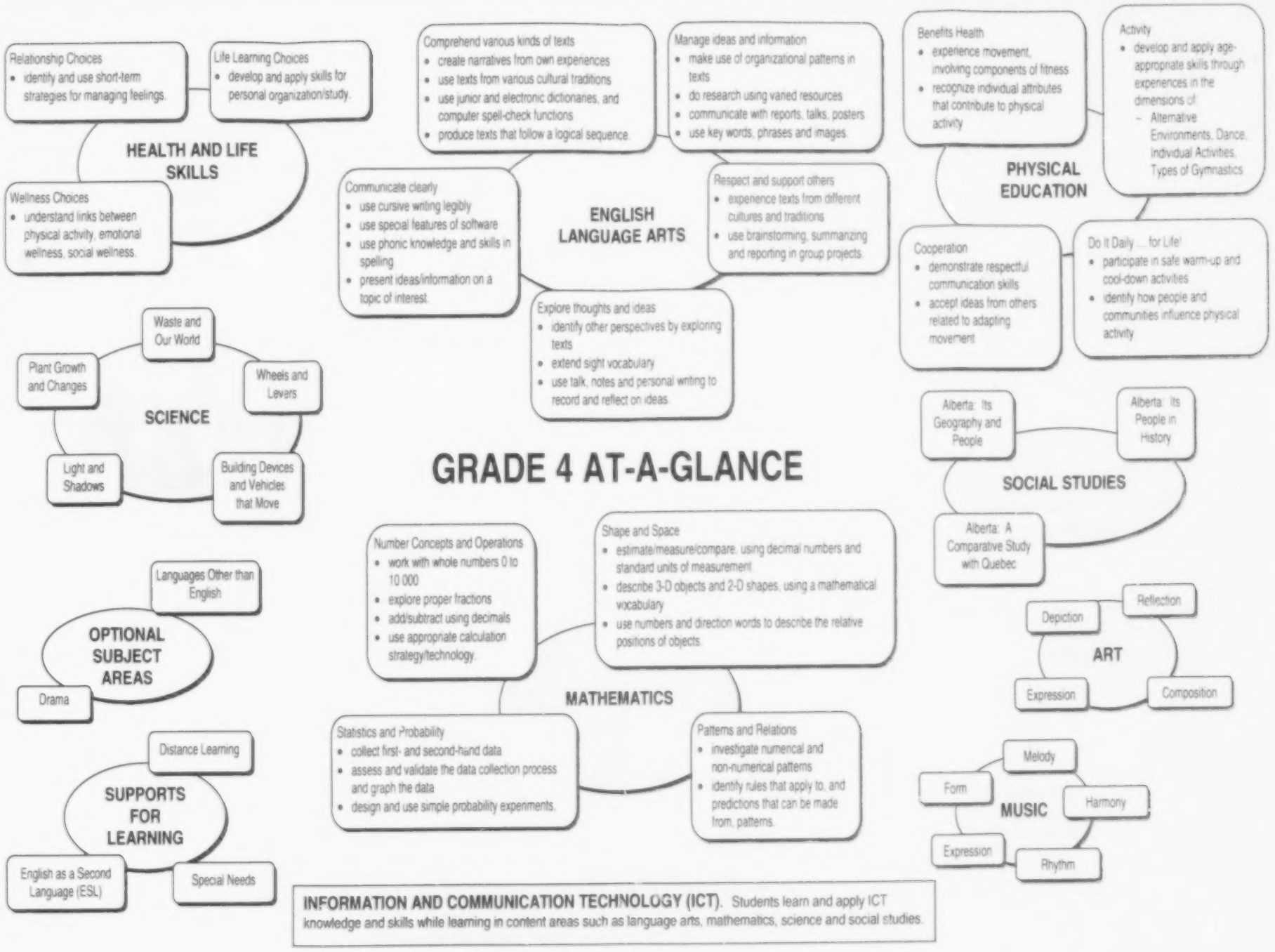
Grade Four

2005–2006



Alberta
EDUCATION

GRADE 4 AT-A-GLANCE


HEALTH AND LIFE SKILLS
Relationship Choices
• identify and use short-term strategies for managing feelings.
Life Learning Choices
• develop and apply skills for personal organization/study.
Wellness Choices
• understand links between physical activity, emotional wellness, social wellness.
ENGLISH LANGUAGE ARTS
Comprehend various kinds of texts
• create narratives from own experiences
• use texts from various cultural traditions
• use junior and electronic dictionaries, and computer spell-check functions
• produce texts that follow a logical sequence.
Manage ideas and information
• make use of organizational patterns in texts
• do research using varied resources
• communicate with reports, talks, posters
• use key words, phrases and images.
Communicate clearly
• use cursive writing legibly
• use special features of software
• use phonic knowledge and skills in spelling
• present ideas/information on a topic of interest.
Respect and support others
• experience texts from different cultures and traditions
• use brainstorming, summarizing and reporting in group projects.
Explore thoughts and ideas
• identify other perspectives by exploring texts
• extend sight vocabulary
• use talk, notes and personal writing to record and reflect on ideas.
PHYSICAL EDUCATION
Benefits Health
• experience movement involving components of fitness
• recognize individual attributes that contribute to physical activity
Activity
• develop and apply age-appropriate skills through experiences in the dimensions of:
– Alternative Environments, Dance, Individual Activities, Types of Gymnastics
Cooperation
• demonstrate respectful communication skills
• accept ideas from others related to adapting movement
Do It Daily ... for Life!
• participate in safe warm-up and cool-down activities
• identify how people and communities influence physical activity
SCIENCE
Waste and Our World
Plant Growth and Changes
Wheels and Levers
Light and Shadows
Building Devices and Vehicles that Move
SOCIAL STUDIES
Alberta: Its Geography and People
Alberta: Its People in History
Alberta: A Comparative Study with Quebec
OPTIONAL SUBJECT AREAS
Languages Other than English
Drama
MATHEMATICS
Number Concepts and Operations
• work with whole numbers 0 to 10 000
• explore proper fractions
• add/subtract using decimals
• use appropriate calculation strategy/technology.
Shape and Space
• estimate/measure/compare, using decimal numbers and standard units of measurement
• describe 3-D objects and 2-D shapes, using a mathematical vocabulary
• use numbers and direction words to describe the relative positions of objects.
Statistics and Probability
• collect first- and second-hand data
• assess and validate the data collection process and graph the data
• design and use simple probability experiments.
Patterns and Relations
• investigate numerical and non-numerical patterns
• identify rules that apply to, and predictions that can be made from, patterns.
ART
Depiction
Reflection
Expression
Composition
SUPPORTS FOR LEARNING
Distance Learning
English as a Second Language (ESL)
Special Needs
MUSIC
Melody
Form
Harmony
Expression
Rhythm

INFORMATION AND COMMUNICATION TECHNOLOGY (ICT). Students learn and apply ICT knowledge and skills while learning in content areas such as language arts, mathematics, science and social studies.

Information for Parents

Parents can access information about the curriculum and learning resources in a number of ways:

- your child's teacher or school
- Curriculum Summaries
- Curriculum Handbooks
- Programs of Study on the Alberta Education Web site.

How Can I Help My Child At Home?

Show interest in school activities by:

- asking questions
- helping with homework and projects
- setting aside time and a place for your child to complete homework
- reading to and with your child.

Use Alberta Education and other resources produced for parents, such as

- **The Parent Advantage**—*Tips and strategies for helping with homework in grades 1 through 9.*
- **Working Together in Mathematics Education**—*Ways parents can support student learning in mathematics.* http://www.education.gov.ab.ca/parents/mathprbk.pdf
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Schooling in Alberta

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Teachers use the curriculum to plan learning activities that meet their students' needs and abilities. They regularly assess student progress, reporting to parents, students and administrators.

Students write provincial achievement tests in grades 3, 6 and 9.

Languages Other than English

- Blackfoot
- Cree
- French
- Italian
- Spanish
- Ukrainian
- Other

These languages may be available at your child's school. For more information, contact the local school board.

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CURRICULUM SUMMARY

Grade Five

2005–2006

Alberta
EDUCATION

GRADE 5 AT-A-GLANCE

HEALTH AND LIFE SKILLS

Wellness Choices
- assess the importance of regular hygiene practices during adolescence.

Life Learning Choices
- identify and implement effective time management plan.

Relationship Choices
- identify and use long-term strategies for managing feelings.

ENGLISH LANGUAGE ARTS

Comprehend various kinds of texts
- use phonics, sight vocabulary and structure to read unfamiliar words
- use dictionaries/glossaries to confirm spellings
- experiment with words and sentence patterns
- identify the main problem or conflict in texts.

Manage ideas and information
- summarize important ideas in texts, and give opinions about them
- add, delete, combine ideas to communicate effectively
- use clear organizational structures.

Communicate clearly
- develop rules to evaluate effectiveness of texts
- revise and organize to clarify meaning of own texts
- write in a legible, consistent style
- apply word processing skills.

Respect and support others
- compare own and others' responses to texts
- use language appropriate to context
- offer constructive feedback to group.

Explore thoughts and ideas
- seek viewpoints of others to build understanding
- set personal goals to improve language learning and use
- use talk, notes and personal writing to explore own and others' ideas.

PHYSICAL EDUCATION

Benefits Health
- achieve a functional level of fitness
- accept individual difference in body types

Activity
- develop and apply age-appropriate skills through experiences in the dimensions of:
  - Alternative Environments, Dance, Individual Activities, Types of Gymnastics

Cooperation
- demonstrate respectful communication skills
- identify and demonstrate practices that contribute to teamwork

Do It Daily ... for Life!
- participate regularly in physical activity
- demonstrate different ways to achieve a personally challenging activity goal

SCIENCE

Electricity and Magnetism

Mechanisms Using Electricity

Wetland Ecosystems

Classroom Chemistry

Weather Watch

SOCIAL STUDIES

Canada: Its Geography and People

Early Canada: Exploration and Settlement

Canada's Links with Other Countries

MATHEMATICS

Number Concepts and Operations
- develop a sense for whole numbers 0 to 100 000
- explore proper fractions and decimals
- use arithmetic operations on whole numbers and decimals.

Shape and Space
- use measurement concepts to solve problems in everyday contexts
- use visualization of 3-D objects and 2-D shapes to solve spatial relations problems
- describe motion in terms of a slide, a turn or a flip
- use coordinates to describe positions of objects.

Statistics and Probability
- develop/implement a plan for collection, display and interpretation of data to answer a question
- predict outcomes, conduct experiments and communicate the probability of single events.

Patterns and Relations
- construct, extend and summarize patterns, including those found in nature
- use rules, charts, mental mathematics and calculators.

ART

Depiction

Reflection

Expression

Composition

OPTIONAL SUBJECT AREAS

Languages Other than English

Drama

MUSIC

Melody

Form

Harmony

Expression

Rhythm

SUPPORTS FOR LEARNING

Distance Learning

English as a Second Language (ESL)

Special Needs

INFORMATION AND COMMUNICATION TECHNOLOGY (ICT). Students learn and apply ICT knowledge and skills while learning in content areas such as language arts, mathematics, science and social studies.

Information for Parents

Parents can access information about the curriculum and learning resources in a number of ways:

- your child's teacher or school
- Curriculum Summaries
- Curriculum Handbooks
- Programs of Study on the Alberta Education Web site.

How Can I Help My Child At Home?

Show interest in school activities by:

- asking questions
- helping with homework and projects
- setting aside time and a place for your child to complete homework
- reading to and with your child.

Use Alberta Education and other resources produced for parents, such as

- **The Parent Advantage**—*Tips and strategies for helping with homework in grades 1 through 9.*
- **Working Together in Mathematics Education**—*Ways parents can support student learning in mathematics.* http://www.education.gov.ab.ca/parents/mathprbk.pdf
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Schooling in Alberta

Curriculum describes what students are expected to learn. Alberta Education develops the curriculum in consultation with teachers, administrators, parents, representatives from post-secondary institutions, and professional and community groups.

Teachers use the curriculum to plan learning activities that meet their students' needs and abilities. They regularly assess student progress, reporting to parents, students and administrators.

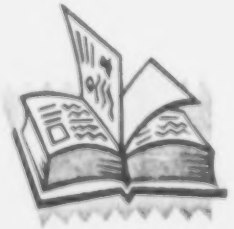
Provincial Achievement Tests

As well as being assessed by their teachers, students write provincial achievement tests in grades 3, 6 and 9. Grade 6 students write tests in English language arts, mathematics, science and social studies. Parents can obtain information on the tests and their child's test results from their child's school.

Languages Other than English

- Blackfoot
- Cree
- French
- Italian
- Spanish
- Ukrainian
- Other

These languages may be available at your child's school. For more information, contact the local school board.



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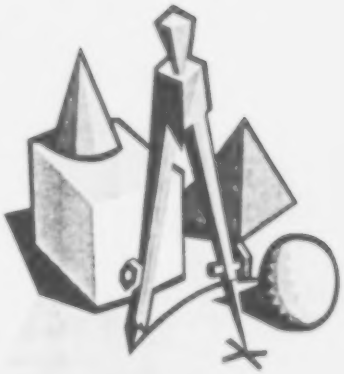
CURRICULUM SUMMARY

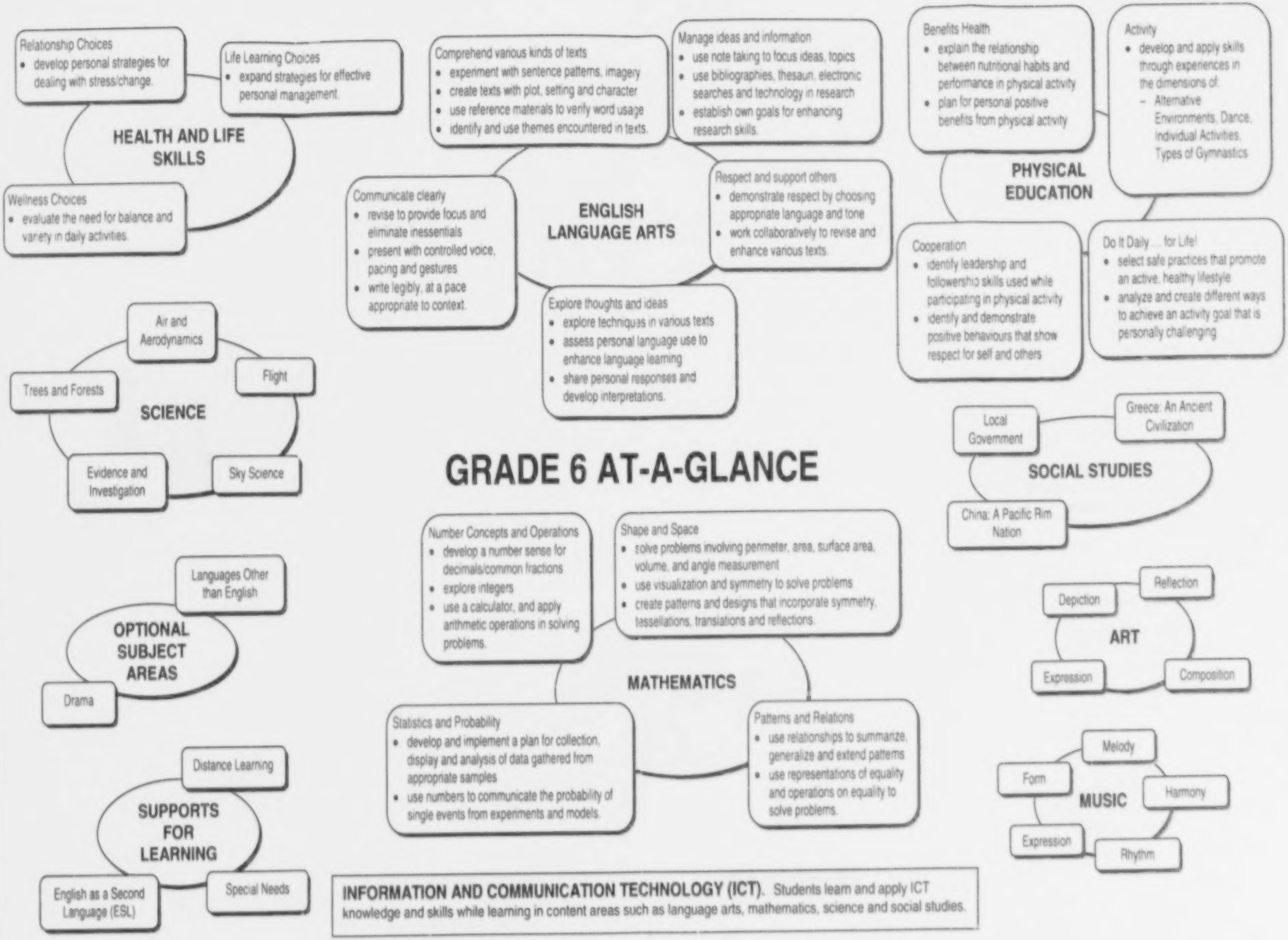
Grade Six

2005–2006



Alberta
EDUCATION

GRADE 6 AT-A-GLANCE


HEALTH AND LIFE SKILLS
Relationship Choices
• develop personal strategies for dealing with stress/change.
Life Learning Choices
• expand strategies for effective personal management.
Wellness Choices
• evaluate the need for balance and variety in daily activities.
ENGLISH LANGUAGE ARTS
Comprehend various kinds of texts
• experiment with sentence patterns, imagery
• create texts with plot, setting and character
• use reference materials to verify word usage
• identify and use themes encountered in texts.
Manage ideas and information
• use note taking to focus ideas, topics
• use bibliographies, thesaurs, electronic searches and technology in research
• establish own goals for enhancing research skills.
Communicate clearly
• revise to provide focus and eliminate inessentials
• present with controlled voice, pacing and gestures
• write legibly, at a pace appropriate to context.
Respect and support others
• demonstrate respect by choosing appropriate language and tone
• work collaboratively to revise and enhance various texts.
Explore thoughts and ideas
• explore techniques in various texts
• assess personal language use to enhance language learning
• share personal responses and develop interpretations.
PHYSICAL EDUCATION
Benefits Health
• explain the relationship between nutritional habits and performance in physical activity
• plan for personal positive benefits from physical activity
Activity
• develop and apply skills through experiences in the dimensions of:
– Alternative Environments, Dance, Individual Activities, Types of Gymnastics
Cooperation
• identify leadership and followership skills used while participating in physical activity
• identify and demonstrate positive behaviours that show respect for self and others
Do It Daily ... for Life!
• select safe practices that promote an active, healthy lifestyle
• analyze and create different ways to achieve an activity goal that is personally challenging
SCIENCE
Air and Aerodynamics
Flight
Trees and Forests
Evidence and Investigation
Sky Science
SOCIAL STUDIES
Local Government
Greece: An Ancient Civilization
China: A Pacific Rim Nation
MATHEMATICS
Number Concepts and Operations
• develop a number sense for decimals/common fractions
• explore integers
• use a calculator, and apply arithmetic operations in solving problems.
Shape and Space
• solve problems involving perimeter, area, surface area, volume, and angle measurement
• use visualization and symmetry to solve problems
• create patterns and designs that incorporate symmetry, tessellations, translations and reflections.
Statistics and Probability
• develop and implement a plan for collection, display and analysis of data gathered from appropriate samples
• use numbers to communicate the probability of single events from experiments and models.
Patterns and Relations
• use relationships to summarize, generalize and extend patterns
• use representations of equality and operations on equality to solve problems.
ART
Depiction
Reflection
Expression
Composition
OPTIONAL SUBJECT AREAS
Languages Other than English
Drama
MUSIC
Melody
Form
Harmony
Expression
Rhythm
SUPPORTS FOR LEARNING
Distance Learning
English as a Second Language (ESL)
Special Needs
INFORMATION AND COMMUNICATION TECHNOLOGY (ICT). Students learn and apply ICT knowledge and skills while learning in content areas such as language arts, mathematics, science and social studies.

Information for Parents

Parents can access information about the curriculum and learning resources in a number of ways:

- your child's teacher or school
- Curriculum Summaries
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How Can I Help My Child At Home?

Show interest in school activities by:

- asking questions
- helping with homework and projects
- setting aside time and a place for your child to complete homework.

Use Alberta Education and other resources produced for parents, such as

- **The Parent Advantage**—*Tips and strategies for helping with homework in grades 1 through 9.*
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Schooling in Alberta

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Teachers use the curriculum to plan learning activities that meet their students' needs and abilities. They regularly assess student progress, reporting to parents, students and administrators.

Students write provincial achievement tests in grades 3, 6 and 9.

Languages Other than English

- Blackfoot
- Cree
- French
- German
- Italian
- Spanish
- Ukrainian
- Other

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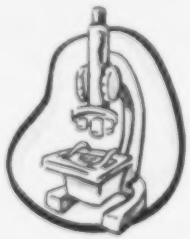

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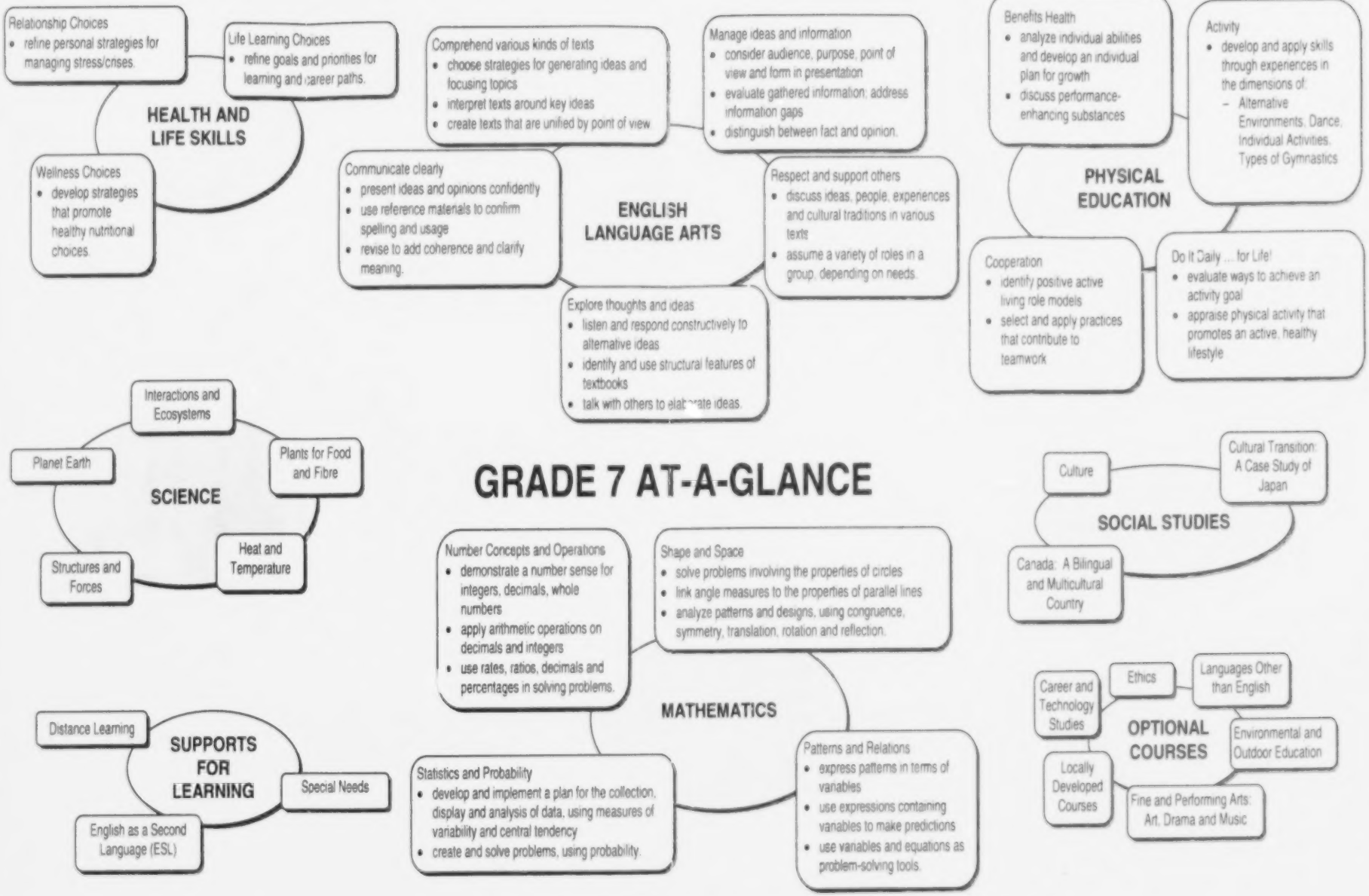
CURRICULUM SUMMARY

Grade Seven

2005–2006

Alberta
EDUCATION

GRADE 7 AT-A-GLANCE


HEALTH AND LIFE SKILLS
Relationship Choices
• refine personal strategies for managing stress/crises.
Life Learning Choices
• refine goals and priorities for learning and career paths.
Wellness Choices
• develop strategies that promote healthy nutritional choices.
ENGLISH LANGUAGE ARTS
Comprehend various kinds of texts
• choose strategies for generating ideas and focusing topics
• interpret texts around key ideas
• create texts that are unified by point of view
Manage ideas and information
• consider audience, purpose, point of view and form in presentation
• evaluate gathered information; address information gaps
• distinguish between fact and opinion.
Communicate clearly
• present ideas and opinions confidently
• use reference materials to confirm spelling and usage
• revise to add coherence and clarify meaning.
Respect and support others
• discuss ideas, people, experiences and cultural traditions in various texts
• assume a variety of roles in a group, depending on needs.
Explore thoughts and ideas
• listen and respond constructively to alternative ideas
• identify and use structural features of textbooks
• talk with others to elaborate ideas.
PHYSICAL EDUCATION
Benefits Health
• analyze individual abilities and develop an individual plan for growth
• discuss performance-enhancing substances
Activity
• develop and apply skills through experiences in the dimensions of:
– Alternative Environments, Dance, Individual Activities, Types of Gymnastics
Cooperation
• identify positive active living role models
• select and apply practices that contribute to teamwork
Do It Daily ... for Life!
• evaluate ways to achieve an activity goal
• appraise physical activity that promotes an active, healthy lifestyle
SCIENCE
Interactions and Ecosystems
Plants for Food and Fibre
Heat and Temperature
Structures and Forces
Planet Earth
MATHEMATICS
Number Concepts and Operations
• demonstrate a number sense for integers, decimals, whole numbers
• apply arithmetic operations on decimals and integers
• use rates, ratios, decimals and percentages in solving problems.
Shape and Space
• solve problems involving the properties of circles
• link angle measures to the properties of parallel lines
• analyze patterns and designs, using congruence, symmetry, translation, rotation and reflection.
Statistics and Probability
• develop and implement a plan for the collection, display and analysis of data, using measures of variability and central tendency
• create and solve problems, using probability.
Patterns and Relations
• express patterns in terms of variables
• use expressions containing variables to make predictions
• use variables and equations as problem-solving tools.
SOCIAL STUDIES
Culture
Cultural Transition: A Case Study of Japan
Canada: A Bilingual and Multicultural Country
SUPPORTS FOR LEARNING
Distance Learning
Special Needs
English as a Second Language (ESL)
OPTIONAL COURSES
Career and Technology Studies
Ethics
Languages Other than English
Environmental and Outdoor Education
Locally Developed Courses
Fine and Performing Arts: Art, Drama and Music

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Teachers use the curriculum to plan learning activities that meet their students' needs and abilities. They regularly assess student progress, reporting to parents, students and administrators.

Students write provincial achievement tests in grades 3, 6 and 9.

Languages Other than English

- Blackfoot
- Cree
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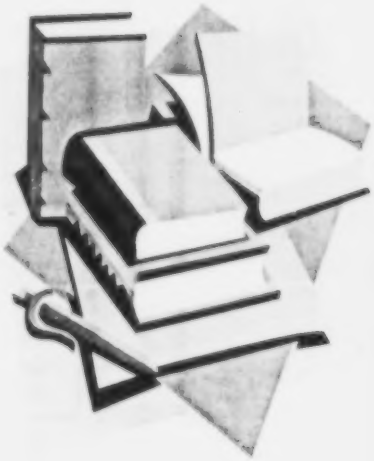
CURRICULUM SUMMARY

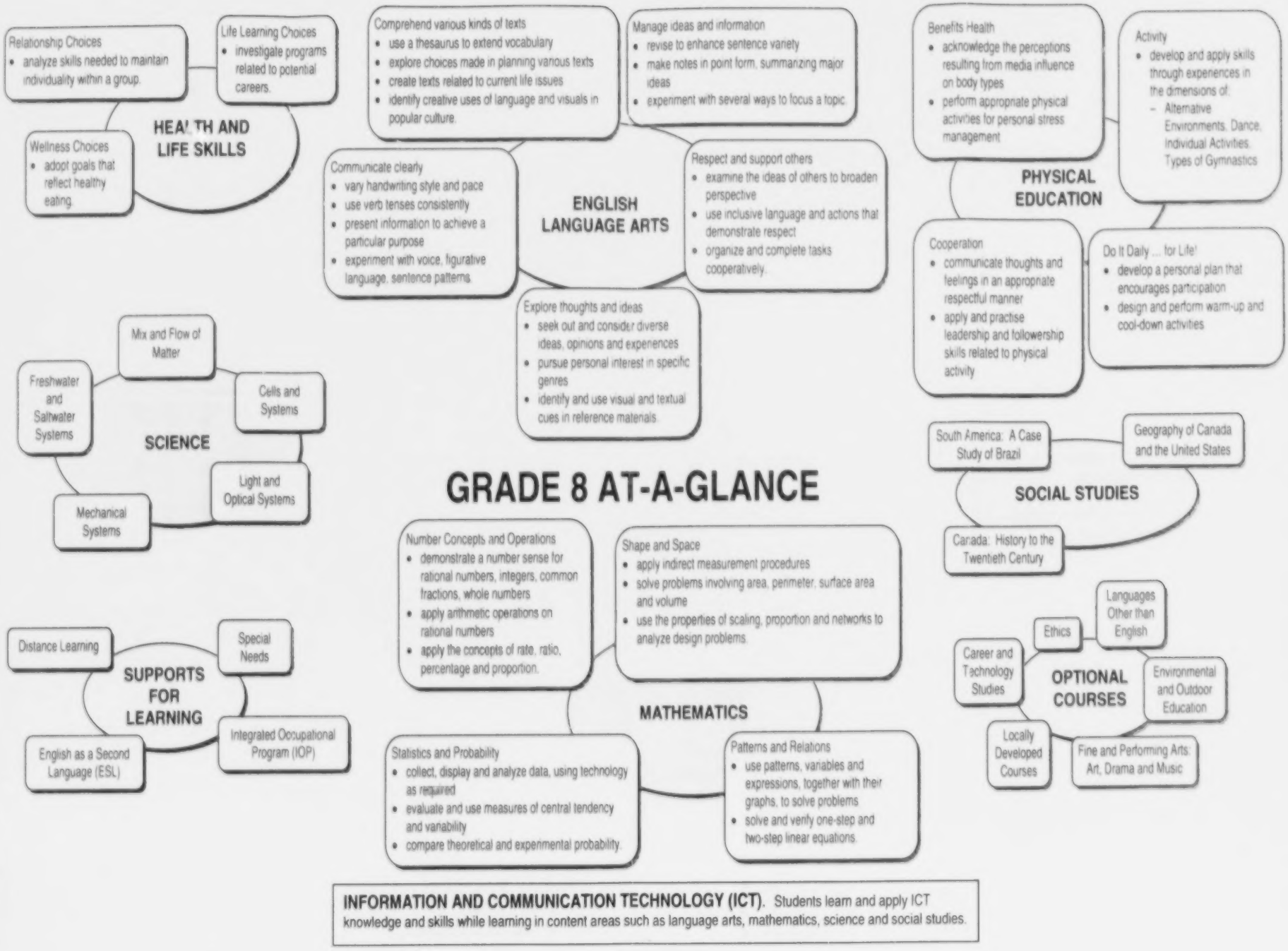
Grade Eight

2005–2006



Alberta
EDUCATION

GRADE 8 AT-A-GLANCE


HEALTH AND LIFE SKILLS
Relationship Choices
• analyze skills needed to maintain individuality within a group.
Life Learning Choices
• investigate programs related to potential careers.
Wellness Choices
• adopt goals that reflect healthy eating.
ENGLISH LANGUAGE ARTS
Comprehend various kinds of texts
• use a thesaurus to extend vocabulary
• explore choices made in planning various texts
• create texts related to current life issues
• identify creative uses of language and visuals in popular culture.
Manage ideas and information
• revise to enhance sentence variety
• make notes in point form, summarizing major ideas
• experiment with several ways to focus a topic.
Communicate clearly
• vary handwriting style and pace
• use verb tenses consistently
• present information to achieve a particular purpose
• experiment with voice, figurative language, sentence patterns.
Respect and support others
• examine the ideas of others to broaden perspective
• use inclusive language and actions that demonstrate respect
• organize and complete tasks cooperatively.
Explore thoughts and ideas
• seek out and consider diverse ideas, opinions and experiences
• pursue personal interest in specific genres
• identify and use visual and textual cues in reference materials.
PHYSICAL EDUCATION
Benefits Health
• acknowledge the perceptions resulting from media influence on body types
• perform appropriate physical activities for personal stress management
Activity
• develop and apply skills through experiences in the dimensions of:
– Alternative Environments, Dance, Individual Activities, Types of Gymnastics
Cooperation
• communicate thoughts and feelings in an appropriate respectful manner
• apply and practise leadership and followership skills related to physical activity
Do It Daily ... for Life!
• develop a personal plan that encourages participation
• design and perform warm-up and cool-down activities
SCIENCE
Mix and Flow of Matter
Freshwater and Saltwater Systems
Cells and Systems
Light and Optical Systems
Mechanical Systems
SOCIAL STUDIES
South America: A Case Study of Brazil
Geography of Canada and the United States
Canada: History to the Twentieth Century
SUPPORTS FOR LEARNING
Distance Learning
Special Needs
English as a Second Language (ESL)
Integrated Occupational Program (IOP)
MATHEMATICS
Number Concepts and Operations
• demonstrate a number sense for rational numbers, integers, common fractions, whole numbers
• apply arithmetic operations on rational numbers
• apply the concepts of rate, ratio, percentage and proportion.
Shape and Space
• apply indirect measurement procedures
• solve problems involving area, perimeter, surface area and volume
• use the properties of scaling, proportion and networks to analyze design problems.
Statistics and Probability
• collect, display and analyze data, using technology as required
• evaluate and use measures of central tendency and variability
• compare theoretical and experimental probability.
Patterns and Relations
• use patterns, variables and expressions, together with their graphs, to solve problems
• solve and verify one-step and two-step linear equations.
OPTIONAL COURSES
Languages Other than English
Ethics
Career and Technology Studies
Environmental and Outdoor Education
Locally Developed Courses
Fine and Performing Arts: Art, Drama and Music

INFORMATION AND COMMUNICATION TECHNOLOGY (ICT). Students learn and apply ICT knowledge and skills while learning in content areas such as language arts, mathematics, science and social studies.

Information for Parents

Parents can access information about the curriculum and learning resources in a number of ways:

- your child's teacher or school
- Curriculum Summaries
- Curriculum Handbooks
- Programs of Study on the Alberta Education Web site.

How Can I Help My Child At Home?

Show interest in school activities by:

- asking questions
- helping with homework and projects
- setting aside time and a place for your child to complete homework.

Use Alberta Education and other resources produced for parents, such as

- **The Parent Advantage**—*Tips and strategies for helping with homework in grades 1 through 9.*
- **Make School Work for You: A Resource for Junior and Senior High Students Who Want to Be More Successful Learners**—*Information on knowing yourself, getting organized, making every class count, test taking, presenting learning, getting along with others and staying motivated.*
- **Working Together in Mathematics Education**—*Ways parents can support student learning in mathematics.* http://www.education.gov.ab.ca/parents/mathprbk.pdf
- **LearnAlberta.ca Web site**—*Online multimedia learning resources that directly relate to the Alberta programs of study.* http://www.learnalberta.ca
- **TELUS 2Learn Web site**—*An education–business partnership that provides Internet inservice, support and mentorship for Alberta teachers.* http://www.2learn.ca

Schooling in Alberta

Curriculum describes what students are expected to learn. Alberta Education develops the curriculum in consultation with teachers, administrators, parents, representatives from post-secondary institutions, and professional and community groups.

Teachers use the curriculum to plan learning activities that meet their students' needs and abilities. They regularly assess student progress, reporting to parents, students and administrators.

Provincial Achievement Tests

As well as being assessed by their teachers, students write provincial achievement tests in grades 3, 6 and 9. Grade 9 students write tests in English language arts, mathematics, science and social studies. Parents can obtain information on the tests and their child's test results from their child's school.

Languages Other than English

- Blackfoot
- Cree
- French
- German
- Italian
- Spanish
- Ukrainian
- Other

These languages may be available at your child's school. For more information, contact the local school board.

Where Can I Get More Information?

- The Alberta Education Web site
  http://www.education.gov.ab.ca
- Aboriginal Services Branch
  Telephone: 780–415–9300
  Fax: 780–415–9306
  E-mail: abs@gov.ab.ca
- Curriculum Branch
  Telephone: 780–427–2984
  Fax: 780–422–3745
  E-mail: curric.contact@edc.gov.ab.ca
- French Language Services Branch
  Telephone: 780–427–2940
  Fax: 780–422–1947
  E-mail: LSB@edc.gov.ab.ca
- LearnAlberta.ca
  Telephone: 780–415–8528
  Fax: 780–422–9157
  E-mail: LearnAlberta.Contact@edc.gov.ab.ca
- Learner Assessment Branch
  Telephone: 780–427–0010
  Fax: 780–422–4200
  E-mail: assess.contact@edc.gov.ab.ca
- Learning Resources Centre
  Telephone: 780–427–2767
  Fax: 780–422–9750
  Web site: http://www.lrc.education.gov.ab.ca
- Special Programs Branch
  Telephone: 780–422–6326
  Fax: 780–422–2039
  E-mail: SpecialEd@edc.gov.ab.ca

CURRICULUM SUMMARY

Grade Nine

2005–2006

Alberta EDUCATION

GRADE 9 AT-A-GLANCE

HEALTH AND LIFE SKILLS

Life Learning Choices
- refine personal goals and priorities relevant to learning and career paths.

Relationship Choices
- refine personal strategies for managing stress/crises.

Wellness Choices
- develop strategies to promote harm reduction/risk management.

ENGLISH LANGUAGE ARTS

Comprehend various kinds of texts
- create texts interrelating plot, setting and character
- analyze creative uses of language and visuals in popular culture
- consider historical context
- preview complex texts for intent, content and structure.

Manage ideas and information
- select types and sources of information for balance
- obtain information reflecting multiple perspectives
- communicate ideas in a variety of texts.

Communicate clearly
- share sample treatments of a topic with peers
- explore the derivation and use of words
- present with a variety of media and display techniques.

Respect and support others
- analyze how texts reflect different cultures, communities
- share responsibilities for the completion of team projects.

Explore thoughts and ideas
- express and respond to ideas on the same topic, in a variety of texts
- explain preferences for texts by particular writers
- examine ideas, experiences, to find patterns.

PHYSICAL EDUCATION

Benefits Health
- monitor and analyze nutrition programs that will affect performance
- assess fitness changes as a result of physical activity

Activity
- develop and apply skills through experiences in the dimensions of:
  - Alternative Environments, Dance, Individual Activities, Types of Gymnastics

Cooperation
- discuss positive behaviours demonstrated by active living role models
- demonstrate positive behaviours that show respect for self and others

Do It Daily ... for Life!
- develop strategies to counteract influences that limit involvement in physical activity

SCIENCE

Biological Diversity

Matter and Chemical Change

Space Exploration

Environmental Chemistry

Electrical Principles and Technologies

MATHEMATICS

Number Concepts and Operations
- illustrate the structure and interrelationship of the sets of numbers
- use a scientific calculator or a computer to solve problems
- work with and perform calculations using exponents.

Shape and Space
- use trigonometry to understand the right triangle
- solve problems involving area, perimeter, surface area and volume
- specify conditions under which triangles may be similar or congruent
- apply coordinate geometry and pattern recognition.

Statistics and Probability
- collect and analyze experimental results expressed in two variables
- explain the use of probability and statistics in the solution of complex problems.

Patterns and Relations
- generalize mathematical procedures, using patterns, models and technology
- solve and verify linear equations and inequalities in one variable
- study arithmetic operations from the set of rational numbers to the set of polynomials.

SOCIAL STUDIES

Economic Growth: U.S.A.

Economic Growth: A Case Study of the Former U.S.S.R.

Canada: Responding to Change

SUPPORTS FOR LEARNING

Distance Learning

Special Needs

English as a Second Language (ESL)

Integrated Occupational Program (IOP)

OPTIONAL COURSES

Career and Technology Studies

Ethics

Languages Other than English

Environmental and Outdoor Education

Locally Developed Courses

Fine and Performing Arts: Art, Drama and Music

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Provincial Diploma Examinations

Information about diploma examinations is available at all senior high schools. As well, information is available on the Alberta Education Web site. This site includes the *General Information Bulletin, Diploma Examinations Program*, which provides the examination schedules as well as the directives related to the diploma examinations.

Languages Other than English

- Blackfoot
- Cree
- French
- German
- Italian
- Japanese
- Latin
- Spanish
- Ukrainian
- Other

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  Telephone: 780–415–9300
  Fax: 780–415–9306
  E-mail: abs@gov.ab.ca
- Curriculum Branch
  Telephone: 780–427–2984
  Fax: 780–422–3745
  E-mail: curric.contact@edc.gov.ab.ca
- French Language Services Branch
  Telephone: 780–427–2940
  Fax: 780–422–1947
  E-mail: LSB@edc.gov.ab.ca
- LearnAlberta.ca
  Telephone: 780–415–8528
  Fax: 780–422–9157
  E-mail: LearnAlberta.Contact@edc.gov.ab.ca
- Learner Assessment Branch
  Telephone: 780–427–0010
  Fax: 780–422–4200
  E-mail: assess.contact@edc.gov.ab.ca
- Learning Resources Centre
  Telephone: 780–427–2767
  Fax: 780–422–9750
  Web site: http://www.lrc.education.gov.ab.ca
- Special Programs Branch
  Telephone: 780–422–6326
  Fax: 780–422–2039
  E-mail: SpecialEd@edc.gov.ab.ca

CURRICULUM SUMMARY

Senior High School

2005–2006

Alberta
EDUCATION

SENIOR HIGH AT-A-GLANCE

CAREER AND LIFE MANAGEMENT (CALM)

Personal Choices
- apply an understanding of the emotional/psychological, intellectual, social, spiritual and physical dimensions of health in managing personal well-being.

Career and Life Choices
- develop and apply processes for managing personal, lifelong career development.

Resource Choices
- make responsible decisions in the use of finances and other resources that reflect personal values and goals and demonstrate commitment to self and others.

ENGLISH LANGUAGE ARTS

ELA 10-1, 20-1, 30-1
- analyze, respond to and create complex texts
- identify and examine ways in which cultural and societal influences are reflected in a variety of Canadian and international texts.

ELA 10-2, 20-2, 30-2
- develop a variety of reading, comprehension and writing strategies
- respond to texts at a variety of different levels of sophistication.

ELA 16–26–36, (IOP)
- read and write for specific, concrete purposes
- speak clearly and confidently
- view and demonstrate understanding
- engage in active listening.

PHYSICAL EDUCATION 10

Benefits Health
- analyze and reflect upon ways to achieve a personal functional level of fitness
- perform appropriate physical activities for stress management and relaxation

Activity
- develop and apply skills through experiences in the dimensions of:
  - Alternative Environments, Dance, Individual Activities, Types of Gymnastics

Cooperation
- communicate thoughts and feelings in an appropriate respectful manner
- demonstrate etiquette and fair play

Do It Daily...for Life!
- develop a personal plan for physical activity
- investigate participation in community activity programs

SCIENCE

Science 20–30
- explore science topics in biology, chemistry, physics and earth science
- examine the relationships of science to technologies and to society

Science 10
- explore topics in biological, chemical, physical and earth science
- recognize the relationships of science to technologies and society
- develop a foundation for all academic sciences.

Science 14–24
- explore scientific principles behind natural events and everyday technologies
- recognize the role of science in problem solving and decision making.

Science 16–26 (IOP)
- develop entry-level vocational abilities
- recognize the need for lifelong learning.

Biology 20–30
- explore the interactions of living systems with one another and their environment
- examine energy and matter exchange, adaptation and change in living systems
- recognize the role of science in societal decision making and maintaining a sustainable environment.

Chemistry 20–30
- explore matter and its changes
- recognize the chemical principles behind natural events
- develop an awareness of the profound influence of chemistry on their lives.

Physics 20–30
- examine matter and energy, and their interactions
- recognize the physics principles behind natural events
- explore the technology used in daily life.

SOCIAL STUDIES

Social Studies 10–20–30
- understand the roles, rights and responsibilities of citizens in a democratic society and global community
- develop complex critical and creative thinking skills, and inquiry skills.

Social Studies 13–23–33
- understand the roles, rights and responsibilities of citizens in a democratic society and global community
- develop critical and creative thinking and inquiry skills.

Social Studies 16–26 (IOP)
- relate rights, responsibilities and laws to the workplace and community
- develop critical and creative thinking skills and inquiry skills.

MATHEMATICS

Mathematics 14–24
- review and consolidate basic mathematical understandings
- acquire practical life skills.

Applied Mathematics 10–20–30
- study applications of mathematics
- apply numerical and geometrical approaches to problem solving.

Mathematics Preparation 10
- review key outcomes from junior high
- prepare for Applied Mathematics 10 or Pure Mathematics 10, or Mathematics 24.

Mathematics 16–26 (IOP)
- develop essential concepts, skills and attitudes required for responsible participation in the home, school, workplace and community.

Mathematics 31
- study advanced mathematics for entrance into some post-secondary programs.

Pure Mathematics 10–20–30
- examine and analyze mathematical theory
- apply algebraic and graphical approaches to problem solving
- use a variety of computational methods including advanced, as appropriate.

SUPPORTS FOR LEARNING

- Integrated Occupational Program (IOP) Occupations
- Distance Learning
- Guidance and Counselling
- English as a Second Language (ESL)
- Special Needs

OPTIONAL COURSES

- Career and Technology Studies (CTS)
- Languages Other than English
- Locally Developed Courses
- Off-campus Education
- Religious Studies
- Physical Education 20–30
- Fine and Performing Arts: Art, Drama and Music

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